

In the claims:

Please cancel claims 2-11.

1. (Original) Optical waveguide which is structured in a core layer which is located on a buffer layer and is covered by a cladding layer, the buffer layer being applied to a substrate, characterized in that a strip-shaped waveguide base of thickness d is formed between buffer layer and optical waveguide, which waveguide base is completely covered laterally by the cladding layer and has the optical waveguide structured thereon, and the cladding layer consists of a vitreous material doped with foreign atoms to impart a birefringence-free property to the optical waveguide.

Claims 2-11 (cancelled).